

Appendix A. Wind Roses for Project Area

Appendix B. Environmental Weekly On-Site Inspection Checklist

**Environmental Weekly Inspection
On-Site Visual Inspection Checklist**

Item Number	Unit Description	Remarks	Any Work Orders Submitted	In Compliance	
				Yes	No
1	Gas Turbine No. 1 Area				
2	Gas Turbine No. 2 Area				
3	Steam Turbine Area				
4	Transformer Areas				
5	Fuel Gas Metering Location				
6	Circulating Water Pumps				
7	Circulating Cooling Water Towers				
8	Mechanical Scrubbers				
9	Reverse Osmosis and Water Treatment Area				
10	Heat Recovery Steam Generator No. 1				
11	Heat Recovery Steam Generator No. 2				
12	Boiler Blowdown Area				
13	Pipe Bridge Area				
14	Emergency Diesel Water Pump				
15	Ammonia Storage Area				
16	Chiller Compressor Area				
17	Chiller Condenser Towers				
18	Evaporation Pond No. 1				
19	Evaporation Pond No. 2				
20	Workshop				
21	Laboratory				
22	Chemical and Waste Storage Area				

Inspectors(s) Name _____ Date _____

Checklist Items for All Locations:

- Fire extinguishers have current inspection.
- Check visible electrical wiring for obvious fraying or damage.
- Check piping for leaks.
- Check housekeeping practices.
- Verify phones are operational and emergency phone numbers are provided.
- Verify emergency eyewash and shower are operational.
- Verify personal protection equipment (PPE) is available.
- Verify SPCC Plan or other spill response information is available.
- Check all spill containment and decontamination equipment is present.
- Verify Material Safety Data Sheets (MSDSs) are present.
- Check secondary containment areas and tanks for leaks.
- Check evacuation maps and exit signs are present and accurate.
- Inspect locks for signs of vandalism.
- Verify proper signs (e.g., high voltage, no smoking, hazardous material, etc.) are located at area.
- Verify no unlabeled containers are stored at the site.
- Check all containers for rust or damage.
- Check five random drains for contamination.

**Appendix C. Environmental Work Instructions for
Secondary Containment Systems**

Environmental Work Instructions for Secondary Containment Systems

PURPOSE: The purpose of this work instruction is to detail the Environmental/Safety Engineer activities concerning rainwater in secondary containment systems. The Operational Area Supervisor or his/her designated representative will be responsible for visually inspecting the water inside of secondary containment systems after each storm event, to insure that only clean storm water is drained into the storm water drainage system. If the area contains chemicals which cannot be visually detected, the Operational Area Supervisor or his/her representative will chemically test the water inside of the containment area prior to discharge to the storm water drainage system. The chemical test will be provided in the area's operational handbook.

DAILY OPERATIONS: The secondary containment system is equipped with a block valve to contain all liquids inside of the area or the area will be manually pumped. If a block valve is used, it will be to be kept closed during normal daily operations to insure no spills are introduced into the storm water drainage system. If a block valve is not present, the area must be manually pumped out.

The following steps are to be taken after each storm event and prior to opening the block valve or pumping liquids from the secondary containment basin:

1. Check with the Environmental/Safety Engineer concerning any reported spills in the area since the last storm event.
2. Visually inspect the storm water inside of the containment area for oily sheens on top of the storm water. If chemicals are stored in the area which cannot be visually inspected, samples of the storm water must be taken and sent to the laboratory for further examination.
3. If any oily sheen is found or if test results indicate the presence of chemicals in the water, pump contaminated rainwater with a vacuum tanker or other container (e.g., 55-gallon drum or bowser), and transport the liquid to the chemical storage facility. All containers will be labeled with the contents in them.
4. If no oily sheen is observed or if test results indicate no contamination, contact the Environmental/Safety Engineer or his/her representative for authorization to open the secondary containment block valve or to pump out the rainwater from the area.
5. If authorization is provided, the rainwater in the secondary containment system can be discharged to the main plant storm water drainage system. This authorization should be noted in the facility log book.
6. Close the catch basin valve after all accumulated rainwater is drained from the secondary containment system. Leave the valve closed during normal operations in the area to insure containment of any possible spills.